

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/093089 A1

(51) International Patent Classification⁷: **C12Q 1/44**,
1/04, 1/18

(21) International Application Number:
PCT/EP2005/002975

(22) International Filing Date: 21 March 2005 (21.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04006833.0 22 March 2004 (22.03.2004) EP

(71) Applicants (for all designated States except US): **GOLD-
SCHMIDT GESELLSCHAFT MIT BESCHRÄNK-
TER HAFTUNG** [DE/DE]; Goldschmidtstrasse 100,
45127 Essen (DE). **PROTEUS S.A.** [FR/FR]; 70, Allée
Graham Bell, Parc Georges Besse, 30000 Nimes (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ALLEF, Petra**
[DE/DE]; Nieberdingstrasse 40, 45147 Essen (DE).
GRÜNING, Burghard [DE/DE]; Waldsaum 11, 45134
Essen (DE). **RAVOT, Gilles** [FR/FR]; 34, Rue des Ger-
fauts, F-30900 Nimes (FR). **WAHLER, Denis** [FR/FR];
3, Impasse du Sauvignon, F-30132 Caissargues (FR).

(74) Agent: **GOLDSCHMIDT GMBH**; Patentabteilung,
Goldschmidtstrasse 100, 45127 Essen (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND TEST-KIT FOR THE DETECTION AND QUANTIFICATION OF ORGANISMS

(57) Abstract: The present invention provides methods and test-kits for rapidly detecting and/or quantifying a group of organism, cultivable or not cultivable, sharing the same enzymatic activity. In particular, the methods and kits can be used for example in the field of cosmetics, where the activities of (microbial) enzymes, which are responsible for malodour or dandruff, are detected as an indicator for the presence of particular groups of microorganisms. Furthermore, the effect on substances acting on the causative microbes can be determined rapidly, easily and at low cost.



WO 2005/093089 A1